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**Subject:** Gulfco Impoundment Cap and Borrow Clay Sample Conductivity Results  
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Gary,

We just got back the laboratory results from the cores we took from the cap and the clay samples we got from some local borrow areas.

The three cores from the cap had conductivities that ranged from better than  $1 \times 10^{-8}$  to  $5 \times 10^{-9}$  cm/sec. This is one to two orders better than called for by the TNRCC guidelines. The clay samples from the local area borrow sources were also very good with conductivities ranging from  $1 \times 10^{-8}$  to  $6 \times 10^{-9}$  cm/sec so we would have a local source of good material to repair or upgrade the cap.

That is probably why there is very little migration away from the former impoundment. The cap is very tight and the hole may be pretty impermeable also.

Let me know if you want a copy of the laboratory report.

Al

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